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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Amela Kreho Wilson  
Filed: December 17, 2003  
For: SIGNAL SOURCE IDENTIFICATION USING WAVELET-BASED  
SIGNAL PROCESSING AND ASSOCIATED METHOD  
Serial No.: 10/738,448  
Group Art Unit: 3662  
Examiner: Unknown  
Atty Dkt: LCOM:016

Pursuant to 37 C.F.R. 1.8, I certify that this correspondence is being deposited with the U.S. Postal Service in a first class, postage prepaid envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313 on the date below:

7-13-04      Oliveri Ferrara  
Date      Name

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, it is respectfully requested that this Information Disclosure Statement be entered and the document(s) listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that (a) the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b); and/or (b) that the information cited is, or is considered to be prior art.

The present Information and Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Deposit Account No. 10-1205/LCOM:016.

#### Foreign Language References C1 and C2

Reference C1 – The subject matter of this Norwegian language report is summarized in the English abstract on the third page of Reference C1. As stated therein, the report describes methods for emitter identification, including passive identification techniques. A sensor module is discussed. And an identification module is discussed. Different identification methods are based on both interpulse and intrapulse parameters. The report also discusses ways to represent and compress pulsed data, including the use of wavelets, splines, etc.

Reference C2 – The subject matter of this Norwegian language report is summarized in the English abstract on the third page of Reference C2. As stated therein, the report describes a demonstration device for passive positioning and identification techniques. A first module includes RF-environment devices. A second module correlates crystal oscillator frequency with an emitter library to identify emitters from pulse train data. And a third module attempts to identify emitters from pulse shape (fingerprint).

Reference C1 appears to be relevant because its Abstract describes the report as discussing emitter identification and wavelet processing used to demonstrate passive identification techniques for the Norwegian Air Force. A translation of Reference C1 was obtained by Applicant and is enclosed. Reference C2 appears to be relevant as an earlier report for the Norwegian Air Force.

Copies of all non-U.S. Patent references, as required by 37 C.F.R. § 1.98(a)(2), are enclosed for the convenience of the Examiner. Copies of the U.S. Patent references are not currently required to be submitted.

An English language translation has been enclosed for Reference C1, which was written in Norwegian except for an English abstract.

Applicant respectfully requests that the listed document(s) be made of record in the present case.

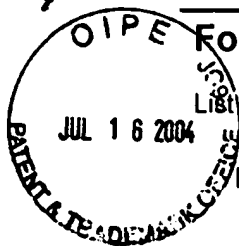
Respectfully submitted,

A handwritten signature in black ink, appearing to read "Brian W. Peterman", with a long horizontal flourish extending to the right.

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Enclosures

**Form PTO-1449** (modified)

List of Patents and Publications for Applicant's

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.

LCOM:016

Serial No.

10/738,448

Applicant

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Filing Date:

December 17, 2003

Group:

3662

U.S. Patent Documents

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Foreign Patent Documents

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Other Art

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**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1	5,561,431	10/1/96	Peele et al.	342	90	
	A2	6,411,914	6/25/02	Mack	702	74	
	A3	6,397,679	6/4/02	Sadok et al.	73	596	
	A4	5,990,823	11/23/99	Peele et al.	342	90	
	A5	5,124,930	6/23/92	Nicolas et al.	702	76	
	A6	6,105,015	8/15/00	Nguyen et al.	706	26	
	A7	6,038,579	3/14/00	Sekine	708	400	
	A8	2002/0140605	10/3/02	Kozlov et al.	342	417	

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C1	Rune Sundgot and Leiv Øyechaug; "Emitter Identification Methods in an ESM Demonstrator"; <i>FFI REPORT</i> , 2002/00555 (Translation)
	C2	Eirik Malnes et al.; "Specification of an ESM-Demonstrator"; <i>FFI REPORT</i> , 2000/06388 (Abstract Translation)
	C3	Ronald R. Coifman and Mladen Victor Wickerhauser; "Entropy-Based Algorithms for Best Basis Selection"; <i>IEEE Transactions On Information Theory</i> , Vol. 38, No. 2, pp. 713-718; March 1992
	C4	FY 2001 RDT&E, N Budget Item Justification Sheet, February 2000
	C5	FY 2002 RDT&E, N Budget Item Justification Sheet, June 2001

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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3662U.S. Patent Documents  
*See Page 1*Foreign Patent Documents  
*See Page N/A*Other Art  
*See Page 1-2***Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C6	Ingrid Daubechies; "Ten Lectures on Wavelets"; Society for Industrial and Applied Mathematics; Philadelphia, Pennsylvania; 1992

**Examiner:****Date Considered:**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.